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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
09/289,785	04/09/99	HANKO	J 83000.1105;P

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WM02/0411

EXAMINER

HAVAN, T

ART UNIT

PAPER NUMBER

2672

DATE MAILED:

04/11/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.

09/289,785

Applicant(s)

HANKO, JAMES G.

Examiner

Thu-Thao Havan

Art Unit

2672

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09 April 1999.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-31 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☐ Claim(s) 1-31 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claims _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are objected to by the Examiner.
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

- 15) ☒ Notice of References Cited (PTO-892)
- 16) ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 17) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____.
- 18) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 19) ☐ Notice of Informal Patent Application (PTO-152)
- 20) ☐ Other: _____.

DETAILED ACTION

Drawings

The drawings in this application are approved by the Draftsperson.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-31 are rejected under 35 U.S.C. 103(a) as being unpatentable over Callahan et al. (US patent no. 5,012,433) in view of Hartog et al. (US patent no. 5,369,741).

1. As to claims 1, 11, 21, and 31, the prior art Callahan had:

A.) The step of clipping the image data to obtain clipped image data (**col. 7, lines 25-43; fig. 6**).

Callahan teaches the clipping of graphic primitives for use in a computer graphics workstation. The graphic primitives are the images that are being clipped.

B.) The step of transmitting the clipped image data from a transmitter to a receiver and the receiver scaling the clipped image data for display (**col. 2, lines 49-65; col. 8, lines 18-50; col. 9; fig. 1, 4, 8-9b**). Callahan teaches the transmitter and receiver in his graphic workstation. The graphic workstation removes all graphic primitives, mapping the clipping volume into a virtual viewport, and performing post transformation operations as a processor clips a virtual viewport to the real viewport. The virtual viewport and the real viewport functionality are the same as the transmitter

and receiver. As stated in the specification of the application, page 3, lines 5-6, a transmitter and a receiver is the exchange of information between computers on a network. Callahan teaches the exchange of information between the virtual viewport and the real viewport for the clipped image. Furthermore, Callahan teaches the scaling the clipped image data for display when he discloses the step by step process of calculating the clipping boundaries.

However, Callahan fails to explicitly teach a computer readable code. Callahan's system is in a computer system (column 4; fig. 2-4) and the computer system has an information system application in order for the scripts or coding to work. Nevertheless, Hartog clearly teaches a computer readable code when he discloses the boundary clipper outcodes and the commands of the computer program to operate the clipping of images. It would have been obvious to one of ordinary skill in the art at the time the invention was made to provide a computer readable code because Hartog teaches the commands and execution of clipping the images (**col. 7, lines 4-26; fig. 2-3**).

2. As to claims 2, 12, and 22, Hartog discloses a clip-list (**col. 1, lines 55-67; col. 2**).

Hartog defines the clipping regions in the table as a list of area to be clipped.

3. As to claims 3-4, 13-14, and 23-24, Hartog discloses the determinations of a pixel in the image to a location in at least one clipping region (**col. 8**).

4. As to claims 5-7, 15-17, and 25-27, Callahan discloses the location comprises a corner of the rectangle and nearest pixels (**col. 7; col. 8, lines 1-18**). Callahan teaches the four corners of the polygon are computed by their directions and the interior pixels to the rectangles.

5. The limitations of claims 8-10, 18-20, and 28-30 are analyzed as discussed with respect to claims 1, 11, 21, and 31 above.

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Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Narayanaswami, US Patent No. 5,553,210

Bresenham et al., US Patent No. 4,6223,880

Narayanaswami, US Patent No. 5,522,020

Dao, US Patent No. 5,594,848

Nicholl et al., US Patent No. 5,455,897

Inquiries

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thu-Thao Havan whose telephone number is (703) 308-7062. The examiner can normally be reached on 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Razavi can be reached on (703) 305-4713. The fax phone numbers for the organization where this application or proceeding is assigned are (703)308-5359 for regular communications and (703)308-5359 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-9500.

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Thu-Thao Havan

April 5, 2001

A handwritten signature in black ink, appearing to read 'MH', with a long horizontal stroke extending to the right.

MICHAEL HAZAVI
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600